

ARMY 2008 58773 W REVISION DATE: 20 DEC 2004
MCA (AS OF 10/27/2005 AT 08:49:11) 05 MAY 2002
LAF=1.00 UM=M

Fort Example
CONUS Automated Record Fire Range (ARF)

178 05 58773 2,550

.0 /US\$

PRIMARY FACILITY				2,383
Stationary Infantry Tgt. Emplmts	EA	112	4,125	(462)
One Man Foxhole	EA	16	2,960	(47)
Service Roads	LS	--	--	(67)
Grading & Drainage	LS	--	--	(94)
Clearing & Grubbing	LS	--	--	(30)
Total from Continuation page(s)				(1,683)
SUPPORTING FACILITIES				174
Electric Service	LS	--	--	(174)

ESTIMATED CONTRACT COST	2,557
CONTINGENCY PERCENT (0.00%)	
SUBTOTAL	<u>2,557</u>
SUPERVISION, INSPECTION & OVERHEAD (0.00%)	
TOTAL REQUEST	<u>2,557</u>
TOTAL REQUEST (ROUNDED)	2,550
INSTALLED EQT-OTHER APPROPRIATIONS	(0)

Construct a standard Automated Field Fire Range (ARF). Primary facilities include small range operations center, general instruction building, ammo breakdown building, operations/storage building, latrine, bleacher enclosure, and covered mess.. Supporting facilities include electric service and information systems. Targetry and instrumentation systems will be funded by Other Procurement, Army (OPA) appropriations. Anti-terrorism/force protection measures include reinforced metal doors, exterior lighting, laminated glass and security grates for windows. Access for individuals with disabilities is not required. Demolish buildings (__ total m2). Air conditioning (estimated __ kwr).

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9. COST ESTIMATES (CONTINUED)

Item	U/M	Qty	Unit Cost	Cost (\$000)
PRIMARY FACILITY (CONTINUED)				1,683
Ordnance Removal	LS	--	--	(78)
Environmental Mitigation	LS	--	--	(52)
Demolition	LS	--	--	(1)
Lane Markers	EA	16	239.37	(4)
Limit Markers	EA	2	929.00	(2)
Security Barrier	LS	--	--	(3)
Range Operations & Control Area	LS	--	--	(83)
Downrange Electrical	LS	--	--	(924)
Control Tower	m2	23.04	7,956	(183)
Operations/Storage Building	m2	74.32	993.09	(74)
General Instruction Building	m2	74.32	997.39	(74)
Latrine, Dual Sex, Aerated Vault	m2	18.02	2,887	(52)
Bleacher Enclosure	m2	54.44	1,258	(68)
Covered Mess	m2	72	763.59	(55)
Ammo Breakdown Building	m2	10.78	2,754	(30)

11. REQ: NONE ADQT: NONE SUBSTD: NONE

PROJECT:

Construct a standard Automated Record Fire Range (ARF). ([New] [Current] mission.)

REQUIREMENT:

This information is prepared to address the question "Why is the project needed now?" A continuing need for the project should also be indicated. Include a sentence stating the average daily loads/training throughput. Any alternatives to project construction should be identified along with the corresponding rationale for rejection. In cases where the project is required to support unit activations, stationing actions or equipment modernization, clearly indicate what type of unit or what type of equipment has generated the programming action. List the units generically, not specifically. Also, provide a statement indicating if the project has been validated by the Range Development Plan.

CURRENT SITUATION:

This information is required to answer the questions "How is the need currently being met" and "How does the unit currently operate?" Avoid emotional appeals. Be factual. Do not state that mission is not being met, instead describe the deficiencies in meeting mission. Include all factors

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CURRENT SITUATION: (CONTINUED)
considered in determining that the current facilities are not suitable for continued use.

IMPACT IF NOT PROVIDED:
Information contained in this subsection will describe the results if the project is not approved and constructed. Indicate, where applicable, any adverse impacts on overall mission accomplishment, safety, etc. Do not just repeat the Current Situation. This paragraph defines the forecasted adverse impact on the continuing operation or mission. Begin this subsection with, "If this project is not provided..."

ADDITIONAL:
Information in this subsection is easily entered by using the "Standard Statement Assistance" in the PAX processor. The statement choices for a typical range project follow:> Physical Security ñ 1st choice AT/FP ñ 1st choice Econ Analysis ñ 2nd choice Joint Use Certification ñ 2nd choice Sustainable Principles ñ yes This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders.

ESTIMATED CONSTRUCTION START:	MAR 2008	INDEX: 2375
ESTIMATED MIDPOINT OF CONSTRUCTION:	SEP 2008	INDEX: 2396
ESTIMATED CONSTRUCTION COMPLETION:	MAR 2009	INDEX: 2417

Fort Example
CONUS

Automated Record Fire Range(ARF) 58773
U/M Qty Unit Cost
(\$000)

PRIMARY FACILITY.

GENERAL.

1.0)	17710	Stationary Infantry Tgt. Emplmt	EA	112	4,125	(462)
1)		Electrical	EA	112	3,428	384
2)		Architectural / Structural	EA	112	696.95	78
2.0)	17710	One Man Foxhole	EA	16	2,960	(47)
1)		Precast w/ Cover & French Drain	EA	16	2,960	47
3.0)	17710	Service Roads	LS	--	--	(67)
1)		Targets Service Roads	LS	--	--	67
4.0)	17710	Grading & Drainage	LS	--	--	(94)
1)		Grading, Drainage & Erosion Pro	LS	--	--	94
5.0)	17710	Clearing & Grubbing	LS	--	--	(30)
1)		Clear Trees & Grub Stumps	LS	--	--	30
6.0)	17710	Ordnance Removal	LS	--	--	(78)
1)		Subsurface Removal	LS	--	--	78
7.0)	17710	Environmental Mitigation	LS	--	--	(52)
1)		Site Restoration	LS	--	--	52
8.0)	17710	Demolition	LS	--	--	(1)
1)		Demolition of Existing Structur	LS	--	--	1
9.0)	17710	Lane Markers	EA	16	239.37	(4)
1)		Lane Marker, one per lane	EA	16	239.37	4
10.0)	17710	Limit Markers	EA	2	929.00	(2)
1)		Wooden Construction	EA	2	929.17	2
11.0)	17710	Security Barrier	LS	--	--	(3)
1)		Steel Pipe Swing Barrier	LS	--	--	3
12.0)	17710	Range Operations & Control Area	LS	--	--	(83)
1)		Fill Under Buildings	LS	--	--	6
2)		Access Road Upgrade	LS	--	--	26
3)		Fencing	LS	--	--	3
4)		Sidewalks	LS	--	--	1
5)		Parking	LS	--	--	12
6)		Grading and Drainage	LS	--	--	30
7)		Range Flag Pole	EA	1	6,303	6
13.0)	17710	Downrange Electrical	LS	--	--	(924)
1)		Telephone	LS	--	--	9
2)		Power Center	LS	--	--	32
3)		Miss. PC- Small Arms Standard	LS	--	--	13
4)		Concrete Encasement	LS	--	--	9
5)		Secondary Utilities	LS	--	--	486
6)		Floodlighting	LS	--	--	26
7)		Strobe Lamp on Pole	LS	--	--	3
8)		Testing	LS	--	--	8

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		U/M	Qty	Unit Cost	Cost (\$000)
9)	Fiber Optics	LS	--	--	297
10)	Floodlight Pole Communication	LS	--	--	32
11)	Limit Marker Lighting	LS	--	--	5
12)	Primary Utilities	LS	--	--	3
13)	Primary Trenching	LS	--	--	2
14.0)	17710 Control Tower	m2	23.04	7,956	(183)
1)	ARCHITECTURAL/STRUCTURAL	m2	23.04	6,004	138
2)	MECHANICAL	m2	23.04	207.42	5
3)	ELECTRICAL	m2	23.04	1,744	40
15.0)	17710 Operations/Storage Building	m2	74.32	993.09	(74)
1)	ARCHITECTURAL/STRUCTURAL	m2	74.32	692.13	51
2)	MECHANICAL	m2	74.32	89.23	7
3)	ELECTRICAL	m2	74.32	211.72	16
16.0)	17710 General Instruction Building	m2	74.32	997.39	(74)
1)	ARCHITECTURAL/STRUCTURAL	m2	74.32	636.69	47
2)	MECHANICAL	m2	74.32	142.62	11
3)	ELECTRICAL	m2	74.32	218.07	16
17.0)	17710 Latrine, Dual Sex, Aerated Vault	m2	18.02	2,887	(52)
1)	ARCHITECTURAL/STRUCTURAL	m2	18.02	1,576	28
2)	MECHANICAL	m2	18.02	906.66	16
3)	ELECTRICAL	m2	18.02	404.53	7
18.0)	17710 Bleacher Enclosure	m2	54.44	1,258	(68)
1)	ARCHITECTURAL/STRUCTURAL	m2	54.44	1,014	55
2)	ELECTRICAL	m2	54.44	244.34	13
19.0)	17710 Covered Mess	m2	72	763.59	(55)
1)	ARCHITECTURAL/STRUCTURAL	m2	70.61	615.38	43
2)	ELECTRICAL	m2	70.61	163.28	12
20.0)	17710 Ammo Breakdown Building	m2	10.78	2,754	(30)
1)	ARCHITECTURAL/STRUCTURAL	m2	16.70	1,147	19
2)	ELECTRICAL	m2	16.70	630.36	11

SUPPORTING FACILITIES.

Electric Service	LS	--	--	(174)
1) Overhead/Underground Primary	LS	--	--	137
2) Communications	LS	--	--	37